Test Plan of Google Hangouts

1. Analyze the product:

* Who will use the product?
* What is it used for?
* How will it work?
* What are product uses?

The team can review product documentation and also perform product walkthrough for better understanding.

1. Develop test strategy:

* Define scope of testing
* Precise customer requirement
* Project budget
* Product specification
* Skill of team
* Identify testing type
* Unit test
* API test
* Integration test
* System test
* Install/uninstall test

1. Define test criteria:

* Suspension criteria: If 40% or above test cases among total test cases are failed, then testing unit will be suspended until the development team fixes the bugs.
* Exit criteria:
* Run criteria: All the test cases should be run.
* Pass criteria: 95% of all critical test cases must pass.

1. Resource planning:
2. Test manager:

* Manage the whole project
* Define project directions

1. Tester:

* Identify test tool/technique/automation architecture
* Execute tests, Log results and Report the defects

1. Developer in test:

* Implement test cases, test program

1. Plan test environment:

* Specify the maximum user connection which this product can handle at the same time
* Hardware/software requirements to install this product
* Specify operating system and version, device specification

1. Schedule and estimation:

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| --- | --- | --- |
| Task | Members | Estimated Effort |
| Create the test specification | Test designer | 16 man-hour |
| Perform test execution | Tester | 75 man-hour |
| Test report | Tester | 6 man-hour |
| Test delivery | Test manager | 3 man-hour |
| Total |  | 100 man-hour |